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SEASONAL INFLUENZA ACTIVITY

Last week, influenza activity continued to decrease in most regions of the United States. Michigan's flu activity decreased to 'sporadic' for last week. See [MI Flu Focus](#) for more influenza surveillance updates.

National News

- CDC's [FluView](#) (week ending April 5, 2014)
 - 85 flu-associated pediatric deaths have been reported for the 2013-14 season
- [Flu comes back for a second round in Connecticut](#)
- [Boston officials issue advisory due to unusual rise in flu cases](#)
- [Flu forces VA medical center in Salem to close operating room](#)
- [Flu season continues through April](#)

INFLUENZA-RELATED JOURNAL ARTICLES

- [Glycosylation, hypogammaglobulinemia, and resistance to viral infections](#)
 - Rare genetic disease may protect patients from severe or recurrent viral infections, specifically HIV and influenza
- [Pandemic preparedness and response - lessons from the H1N1 influenza of 2009](#)
 - World is not well prepared for a pandemic
- [Working-age adults with diabetes experience greater susceptibility to seasonal influenza: a population-based cohort study](#)
 - Adult diabetics more susceptible to serious flu illness, should target for vaccination
- [Association between antibody titers and protection against influenza virus infection within households](#)
 - Previous studies established hemagglutination inhibiting assay (HAI) antibody titer of 1:40 generally associated with 50% protection against flu
 - Authors found HAI titer 1:40 associated with substantially less than 50% protection against PCR-confirmed flu infection within households

FLU WEBSITES

www.michigan.gov/flu
www.cdc.gov/flu
www.flu.gov
<http://vaccine.healthmap.org/>

CDC RESPONSE TO FLU ANTIVIRAL REVIEW IN BMJ

The Cochrane Collaboration published an updated review of randomized clinical trial data for influenza neuraminidase inhibitor antiviral medications. The review raises questions about the value of influenza antiviral medications for the prevention and treatment of influenza. Based on all available data, the CDC continues to recommend use of neuraminidase inhibitors as an important adjunct to influenza vaccination in the treatment of influenza.

- *BMJ*: [Neuraminidase inhibitors for preventing and treating influenza in healthy adults and children](#)

AVIAN INFLUENZA A (H7N9) NEWS AND ARTICLES

The global outbreak total has now reached [419 cases](#) with 124 deaths since February 2013.

- WHO: [Map and epi curve of H7N9 cases](#) (April 8)
- [Imported human case of avian influenza A\(H7N9\) under CHP investigation](#)

AVIAN INFLUENZA A (H5N1) ARTICLES

- [Egypt reports third H5N1 avian influenza case of 2014](#)
- [North Korea hit by extensive H5N1 outbreak](#)
- *Cell*: [Identification, characterization, and natural selection of mutations driving airborne transmission of A/H5N1 Virus](#)
 - Minimal set of mutations allows H5N1 to be transmitted through air from one ferret to another

OTHER INFLUENZA-RELATED NEWS

- [Flu vaccine reduces influenza risk in mothers, newborns](#)
- [National Institutes of Health funds influenza research and surveillance network](#)
- [Researchers discover possible new target to attack flu virus](#)
- [Centers for manufacturing emergency influenza vaccine ready in next few years](#)

NIVDP NEWSLETTER RELEASED

The National Influenza Vaccination Disparities Partnership (NIVDP) has released the [March](#) issue of its newsletter, *Influential News*. It includes online flu vaccination promotion products, a community resource kit for local flu vaccination campaigns, and more!

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